

## ABSTRACT OF THE DISCLOSURE

A wall-thickness thinning rate at a not-measured position is estimated using information having a small number of measured points. Simulation of behavior of fluid flowing inside a pipe line is performed based on wall-thickness data of pips and three-dimensional layout data of the pipe line including the pips using a computer, and simulated wall-thickness thinned data of the pipes composing the pipe line is calculated from change of the simulated behavior of fluid.

[Selection Figure] Fig. 1